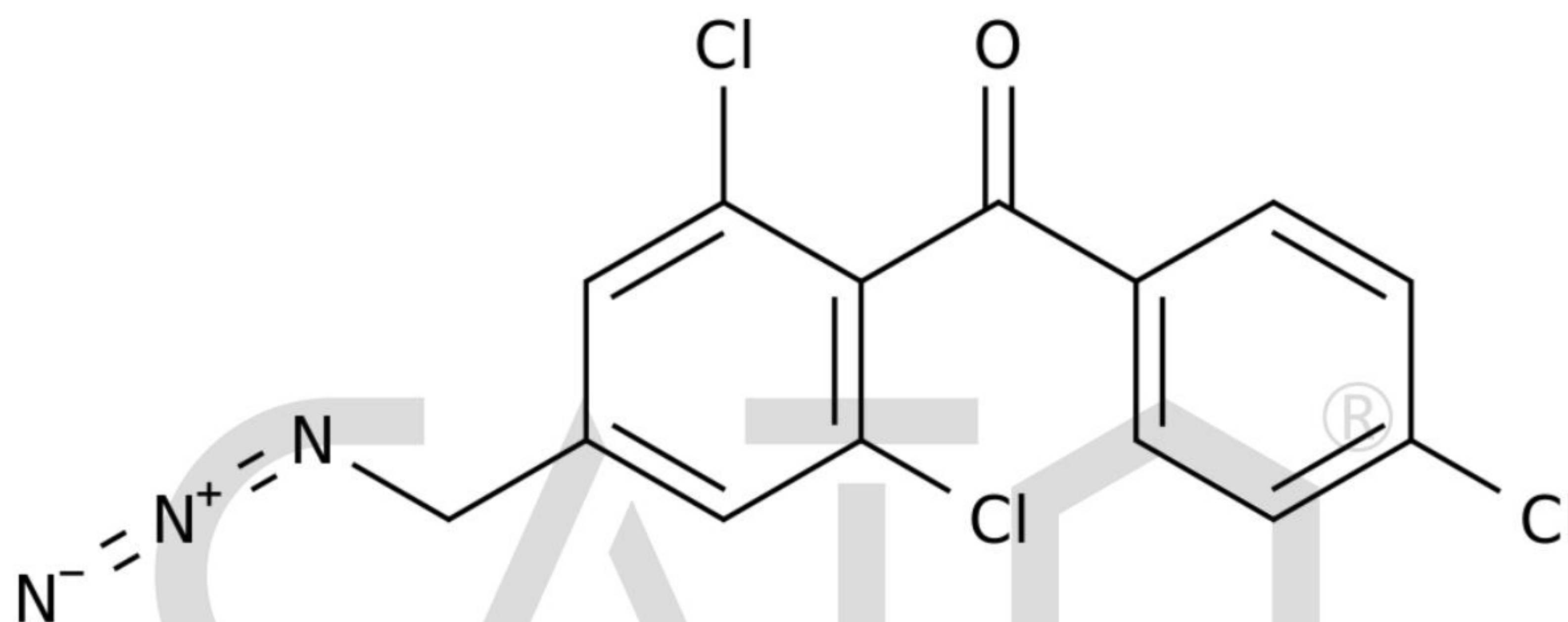


Certificate of Analysis

Reference Material & Standard

Product Name:	Carboxyamidotriazole Impurity 2	Catalogue Number:	C4X-21592
Synonyms:	N/A	Lot Number:	1014-RF-0043
CAS Number:	99508-26-6	Expiry Date:	Sep 29, 2027
Molecular Formula:	C ₁₄ H ₈ Cl ₃ N ₃ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	340.59		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.1% isopropyl ether
Assay		99.8%

Comment:

- The compound is an Azide product. Avoid using metal spatula and applying pressure. Wear proper personal protective equipment when handling.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 16, 2024

Date: Oct 16, 2024

Date: Oct 16, 2024

